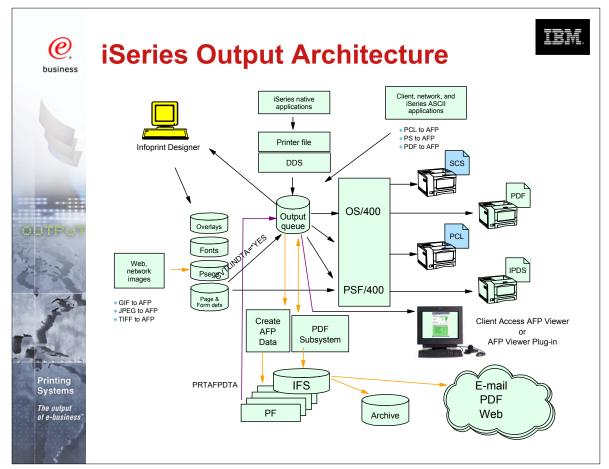




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Infoprint Server for iSeries V5

Session 47AE - 410168 Mira Shnier Senior IT Specialist, Printing Systems Division, IBM Canada Ltd. mshnier@ca.ibm.com



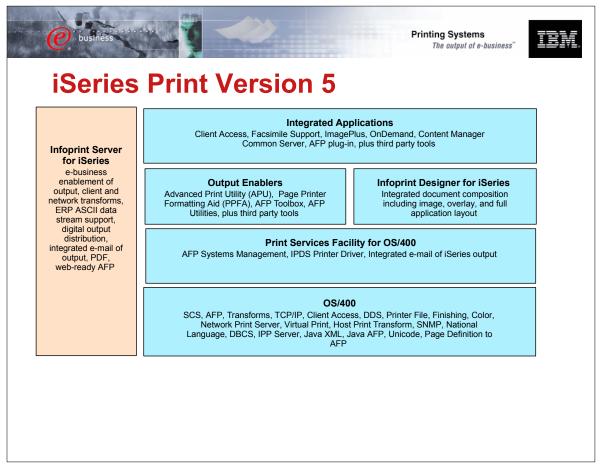




Systems

Enabling "e-output"

- E-business is changing the face of business communications
 - Traditional information methodology has been "print and distribute"
 - Networks, Internet, and electronic documents are transforming this methodology
 - Electronic documents mean:
 - Tie to pre-printed form is broken
 - Flexibility in content
 - Flexibility in delivery
 - Networks and Internet drives e-business process re-engineering
 - Printing, if required, must take place later in the flow
 - Electronic documents and reports can flow as the process requires
- The output of e-business "E-output"
 - Ability to create fully electronic pages of information and deliver them to the desired destination in the desired format





Infoprint Server for iSeries

Focus of Infoprint Server

- Electronic Distribution of output
- iSeries management of network print

iSeries support for PDF

- Transform services for any iSeries standard output (AFP, IPDS, SCS, even OV/400)
- PDF output to e-mail, IFS, or PDF printer
- High-function PDF Server
- Segmentation "Electronic Burst and Bind"

Integrated e-mail of output

- PDF output can be automatically e-mailed
- Multiple e-mails based on segmentation
- Exits for customization

iSeries as a network print server

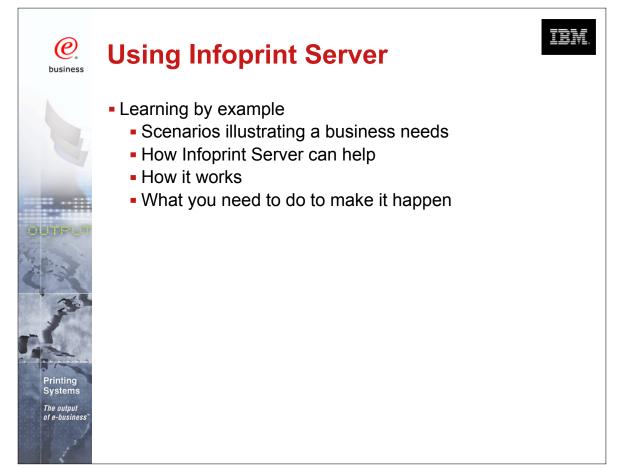
- PCL, Postscript, and PDF to AFP
- Postscript and PDF transform is IBM-Adobe full-function Level 3

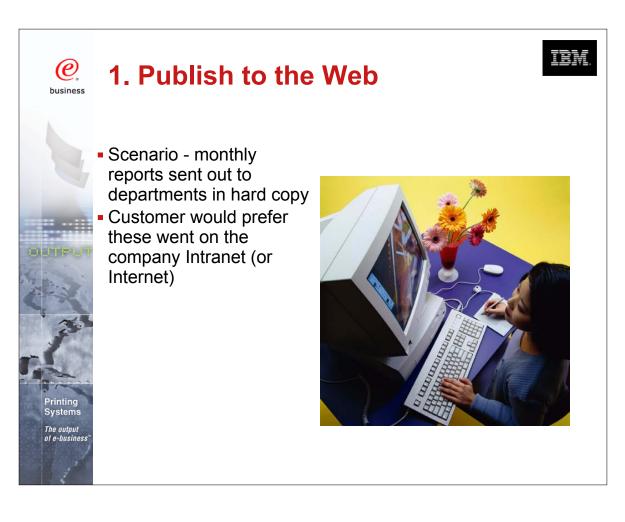
Portable, web-ready AFP

- Add external resources to AFP data for portability and browser view
- Add indexing for navigation and report segmentation

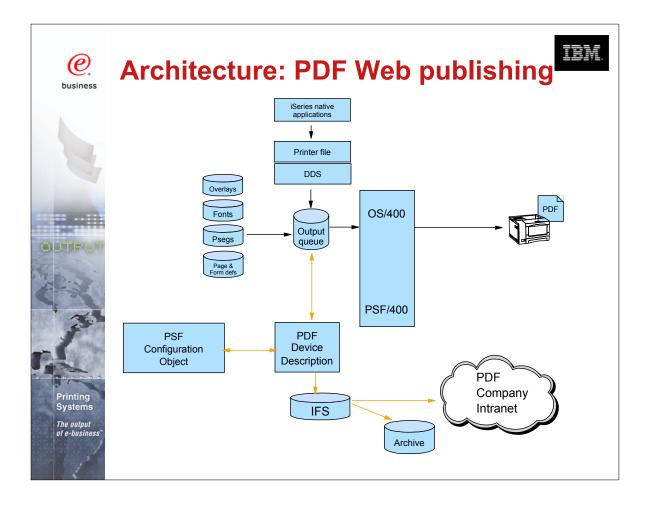
Image transforms

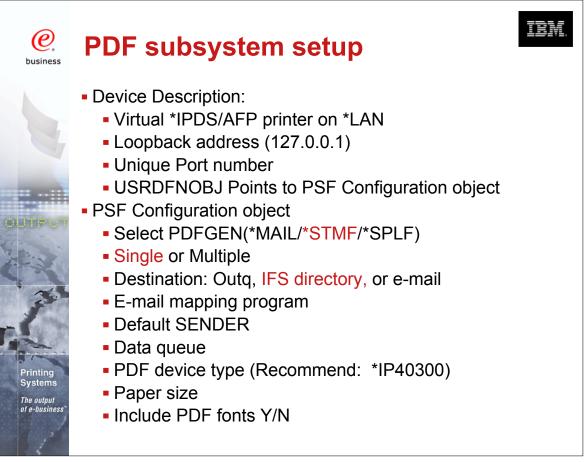
- GIF, TIFF, and JPEG transforms to IOCA
- Windows-based



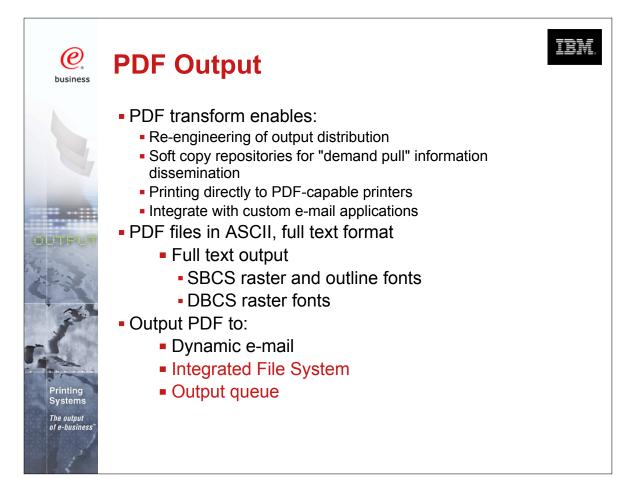




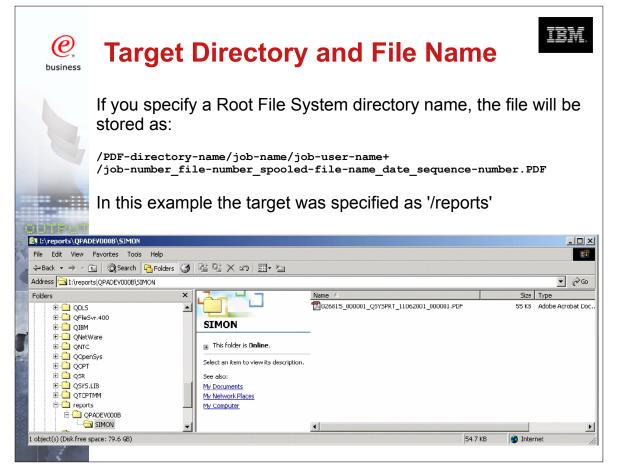


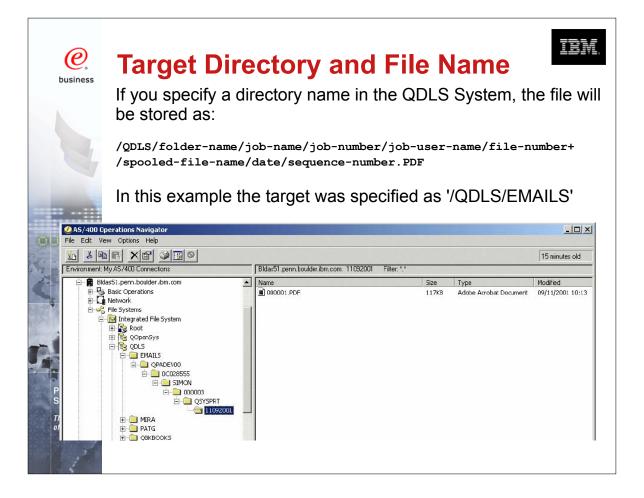


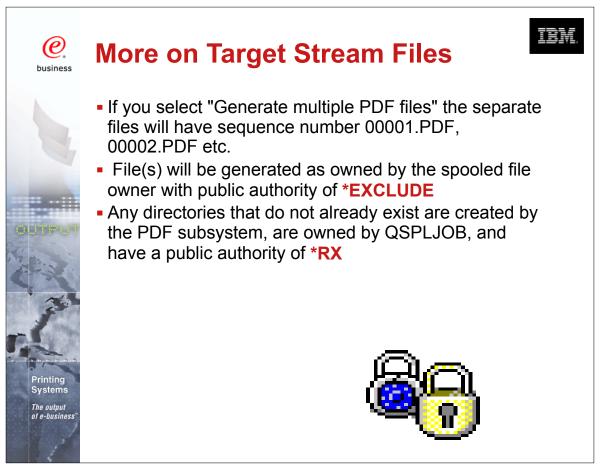
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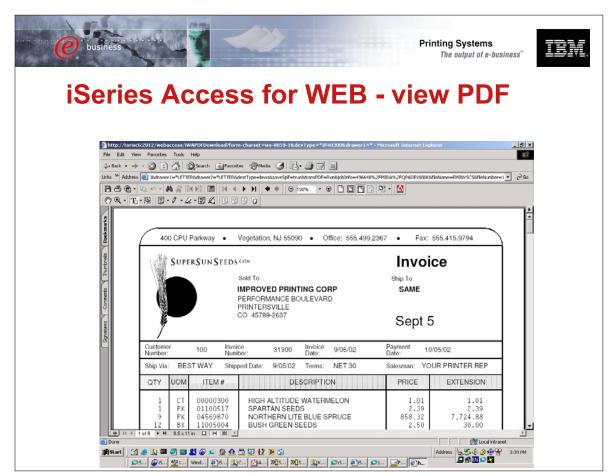
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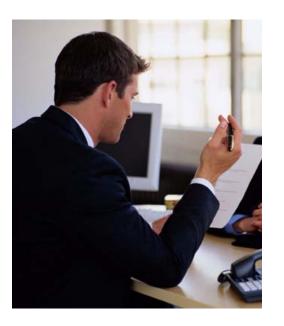




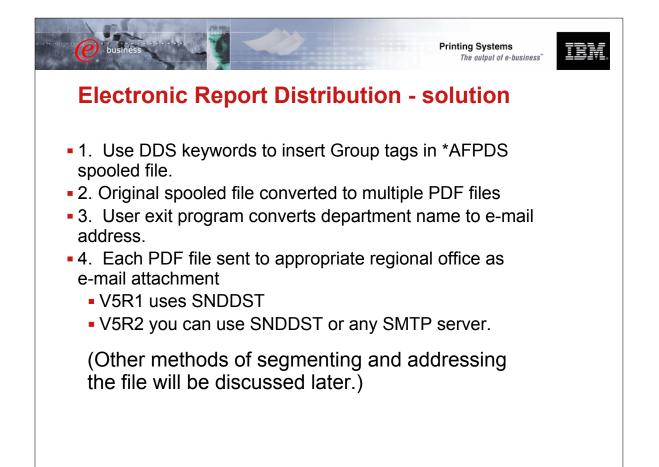
2. Electronic Report Distribution

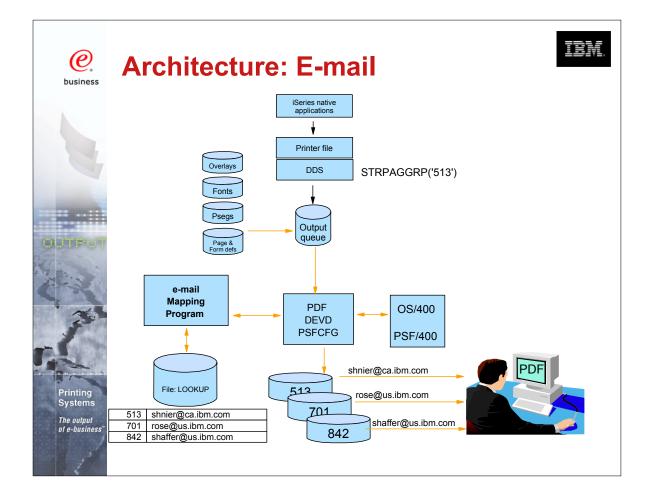
 Scenario - monthly sales reports are printed, manually separated and mailed to regional office managers

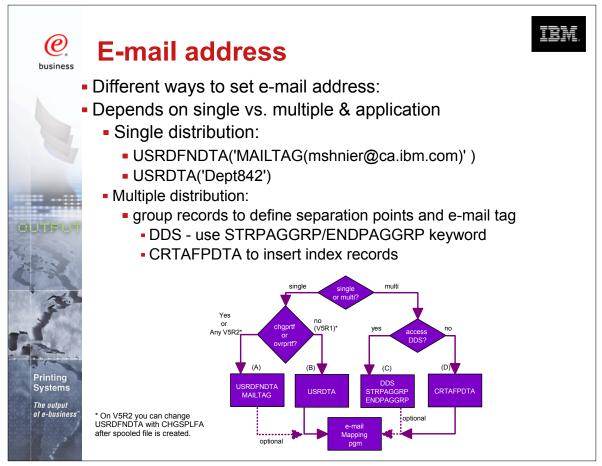
 Customer would like to automatically distribute and send the relevant reports to specific managers

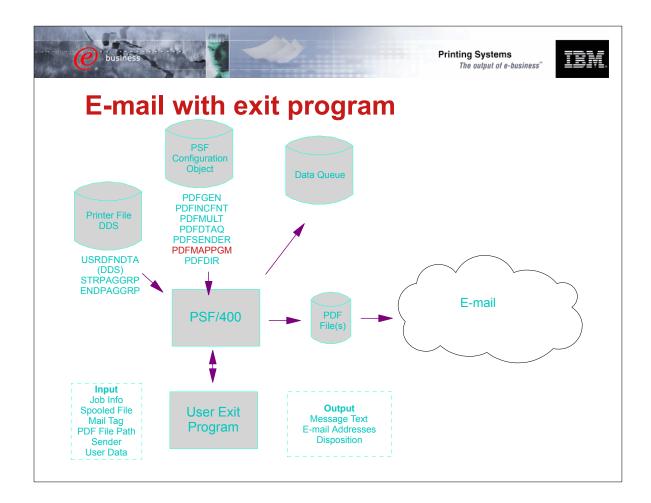


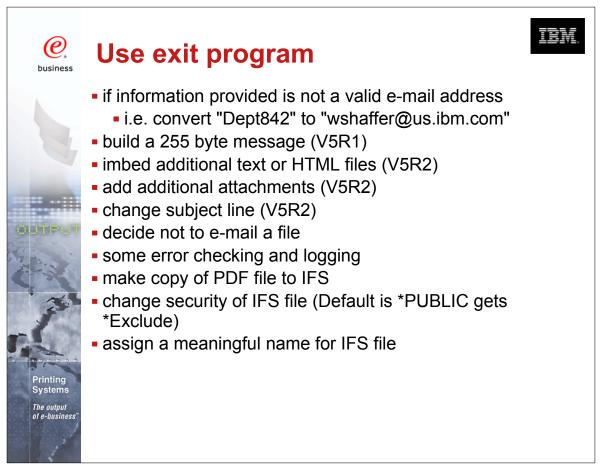
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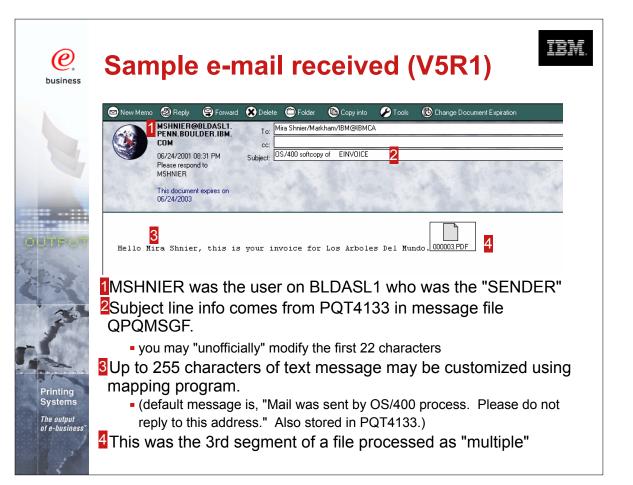


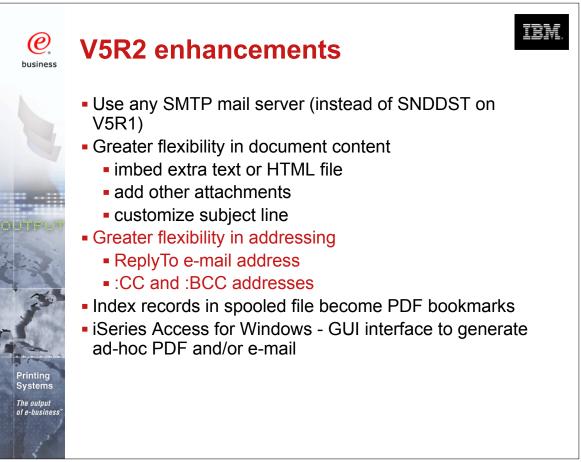


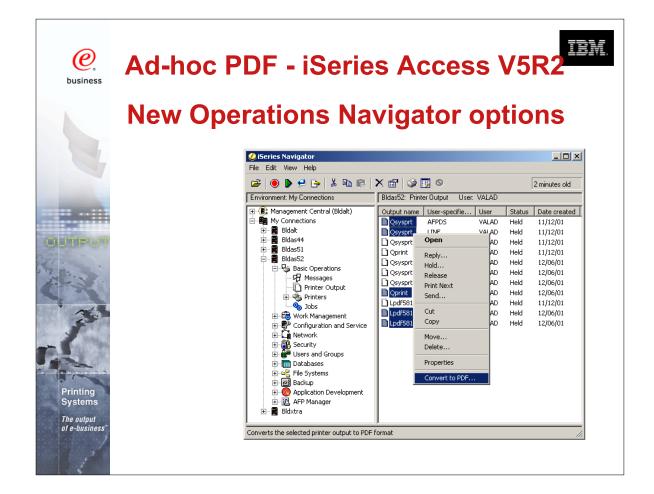












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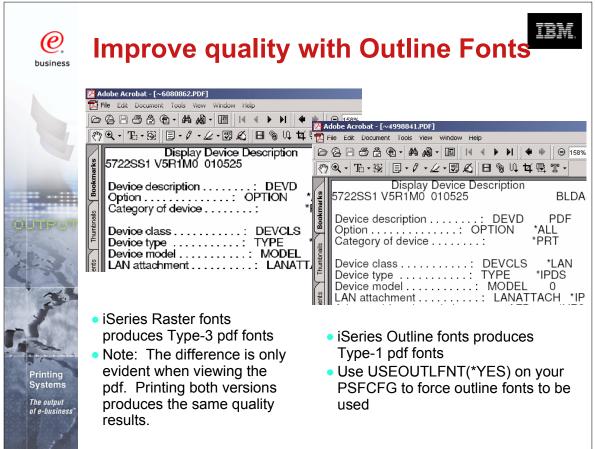
Systems

File size considerations



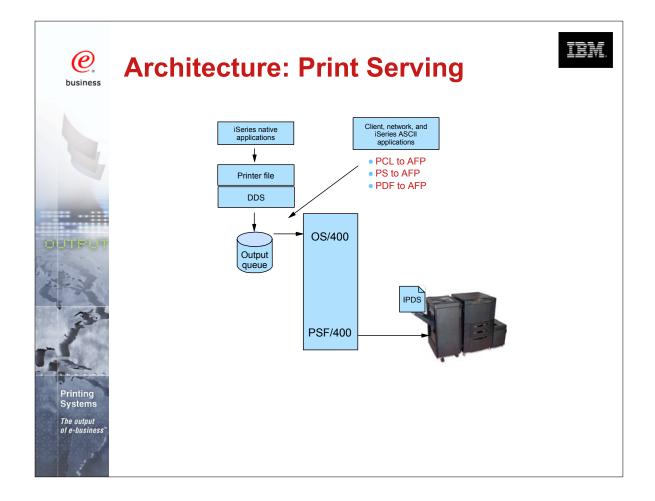
- By default PDF includes Adobe fonts
- Files may be large if many fonts used
- V5R1 Use PSFDFNOPT with PDFINCFNT(*NO) in your PSFCFG (PTF si03186 required)
- V5R2 use PDFINCFNT(*NO) parameter

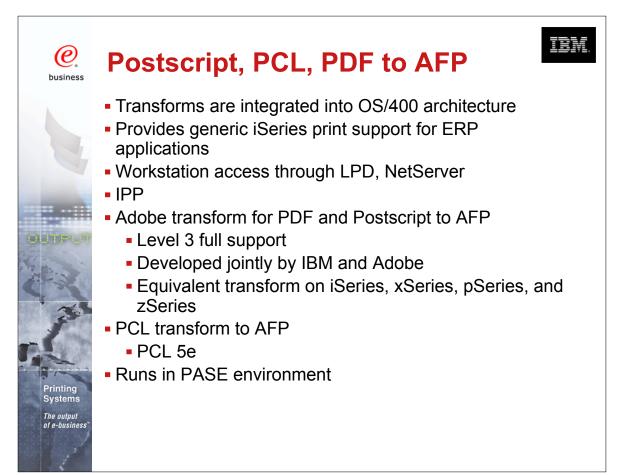
File Description	no. of pages	size of PDF	After PTF
Short JOBLOG	2	58 KB	
Medium JOBLOG	19	94 KB	
Long JOBLOG	217	493 KB	
Single Invoice	1	752 KB	52 KB
Multiple Invoices	6	761 KB	59 KB

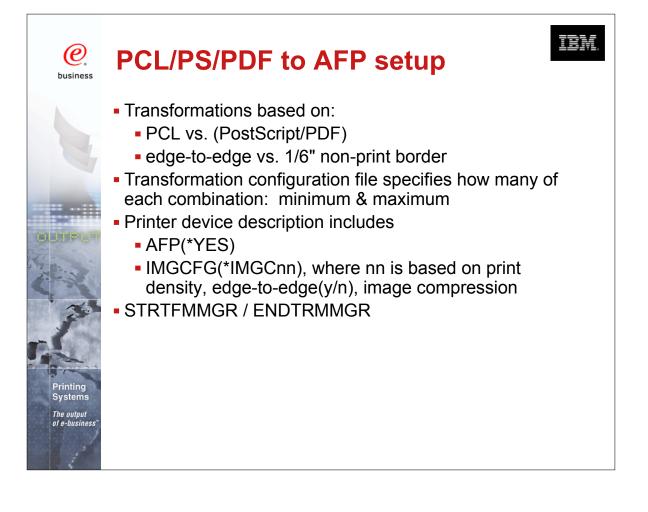




- 1. From a Windows workstation, a user submits the document for printing on an IPDS printer using a printer shared though NetServer
- 2. The document is put on the OS/400 spool and then directed to Transform Manager
- 3. Transform manager uses the PCL transform to transform the data to AFP
- 4. The transform sends the AFP data to PSF/400
- 5. PSF submits the data for printing









4. Integrate web and network images into iSeries applications

 Scenario - A manufacturer has an engineering drawing application on Windows NT that creates drawings in JPEG format. The manufacturer wants to be able to print the same drawing on a work order, but the work order is a line of business (LOB) document produced by the iSeries.



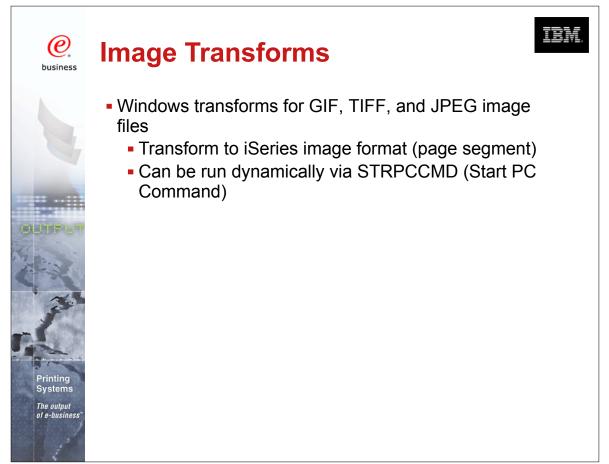


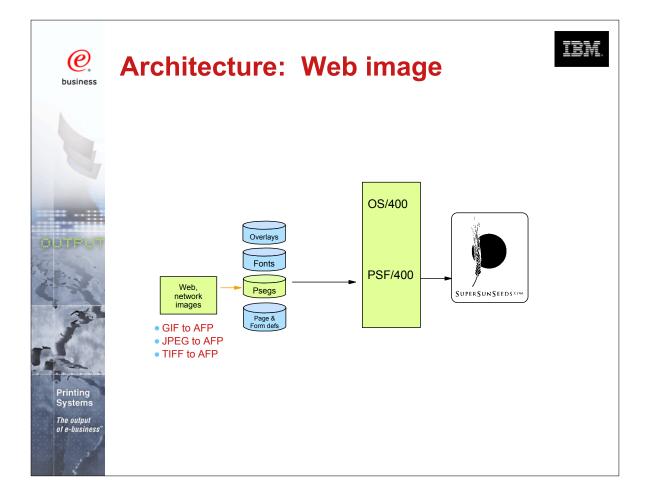




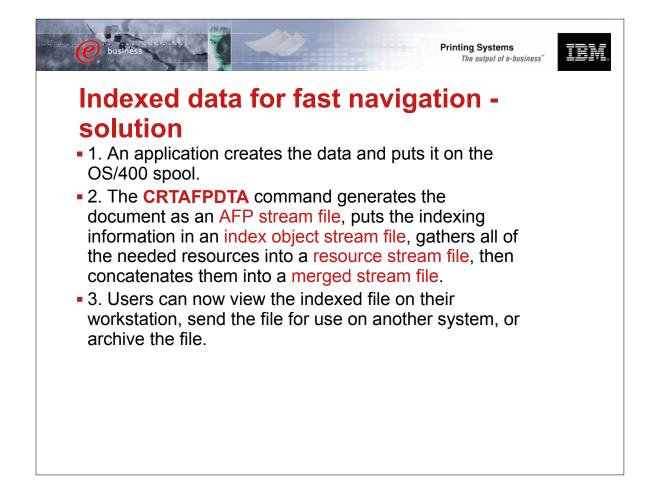
Integrate web and network images into iSeries applications - solution

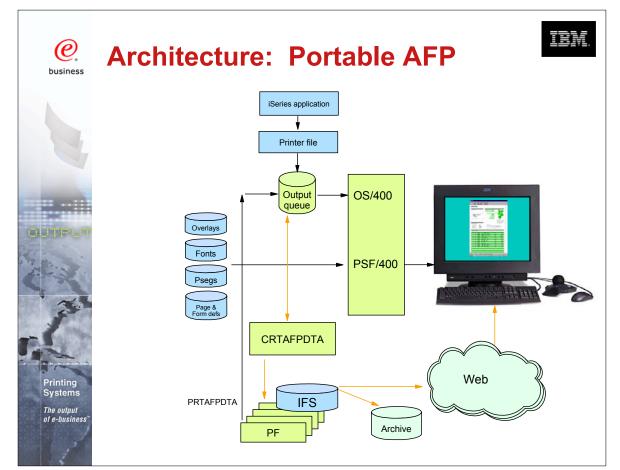
- 1. The user sends the image file to the Windows-based JPEG transform to create an AFP image file.
- 2. Next, the user could use the AFP Manager component of Operations Navigator to create the page segment and store it in the iSeries. Alternatively, the user could use a network drive mapped to an iSeries to put the AFP output file in a shared folder, then use OS/400 commands to create it as a page segment on the iSeries.

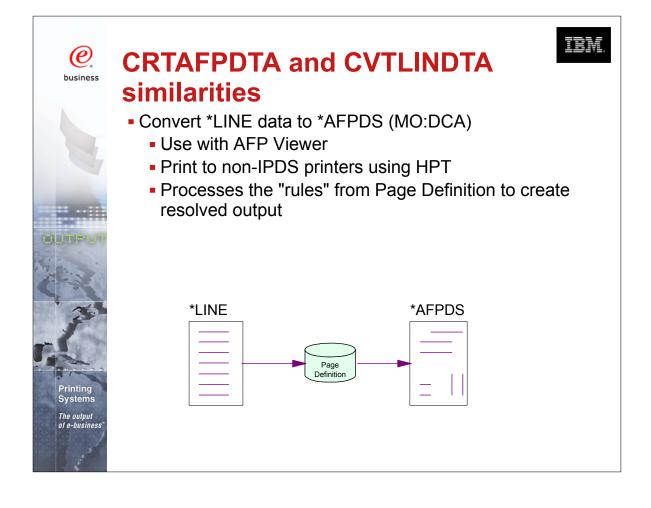




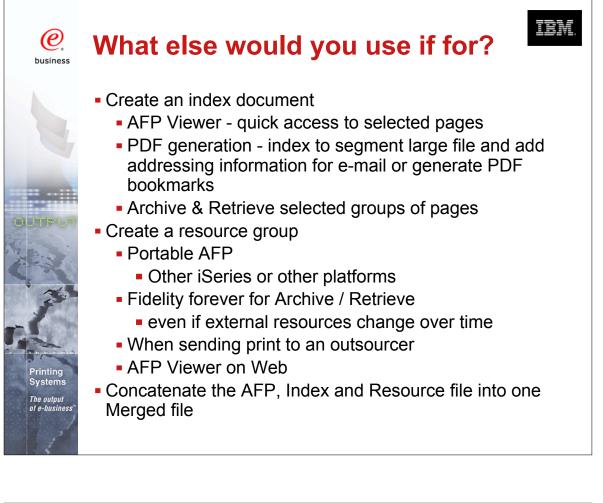


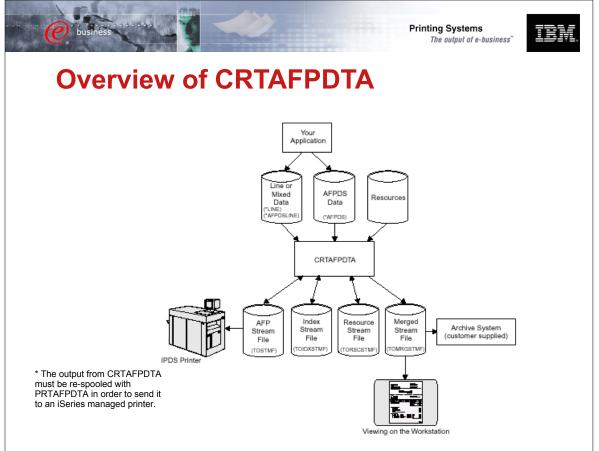






CRTAFPDTA vs. CVTLINDTA differences						
CRTAFPDTA	CVTLINDTA					
Command with many parameters	Printer file parameter (*YES/*NO)					
Input is existing *LINE Spooled file	Input comes directly from application program					
Output is Stream file in AFPDS format	Output is *AFPDS spooled file					
Part of Infoprint Server Licensed Pgm. (\$)	Free with OS/400					
Allows for Indexing and Resource capture	No indexing or resource capture					
Portable AFP - print or view anywhere	Print only from same iSeries (PSF or HPT). View with CA Express Ops Nav.					



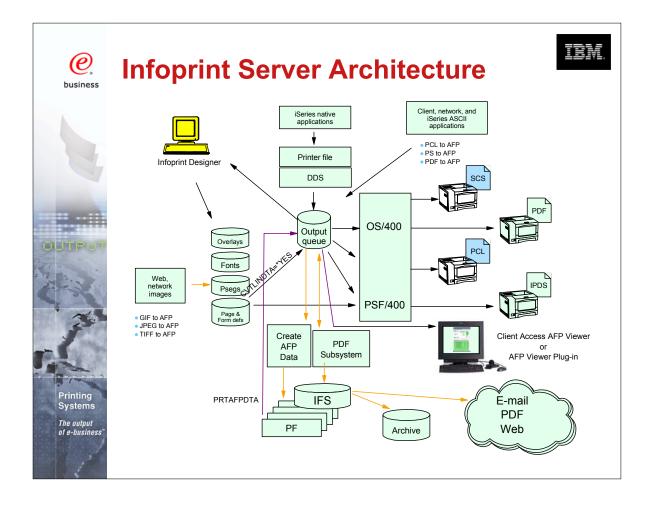


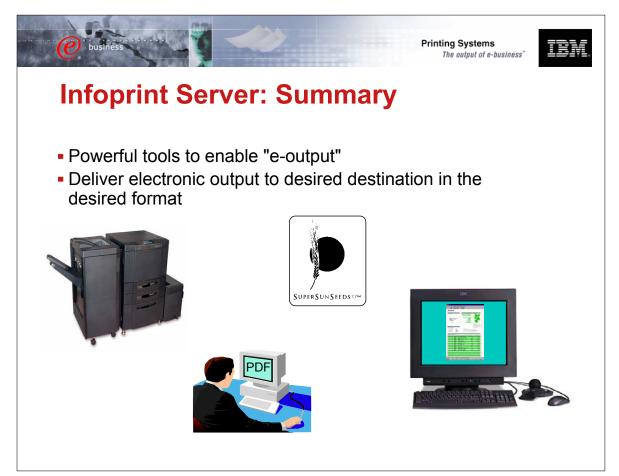


Scenarios and Server Components

Application	Infoprint Server Component
Publish iSeries-AS/400 output	PDF transform (alternative is Create AFP Data - CRTAFPDTA)
Electronic report distribution	PDF transform, integrated e-mail
Print directly to PDF printers	PDF transform (output to queue)
Electronic burst and bind	PDF transform, segmentation support
ERP print driver	Postscript, PDF, and PCL transforms
iSeries as an enterprise print server	Postscript, PDF, and PCL transforms
Electronic output distribution	CRTAFPDTA, AFP to AFP+, AFP browser plug-in
Print line data to PCL printers, view line	CRTAFPDTA
data formatted output	OS/400
Index AFP for navigation	CRTAFPDTA
Integrate web/network image into iSeries applications	Image transforms

	SCS	LINE	AFP	PCL	PS	PDF	Web AFP	
scs	-	Y	Y	НРТ	N	IPS	IPS	<pre>What's New • PCL to AFP</pre>
LINE	Y	-	OS400 V5R1	HPT V5R1	N	IPS	IPS	• PS to AFP
AFP	-	-	-	НРТ	N	IPS	IPS	PDF to AFPIPDS to PDF
PCL	-	-	IPS	-	-	-	-	AFP to AFP Plus
PS	-	-	IPS	-	-	-	-	 Line Data to AFP GIFF to AFP*
PDF	-	-	IPS	-	-	-	-	• JPEG to AFP*
Web AFP	-	-	-	-	-	IPS	-	• TIFF to AFP*



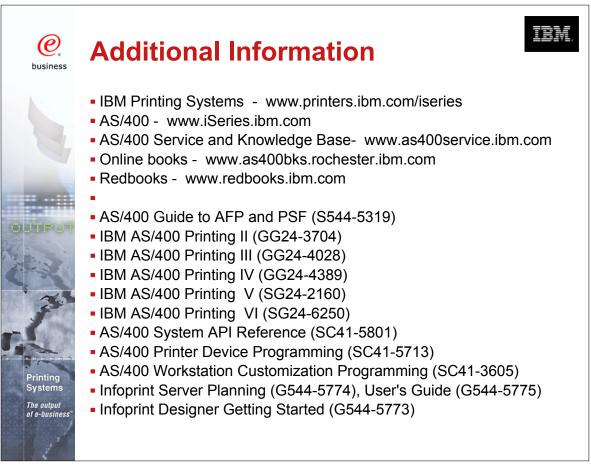


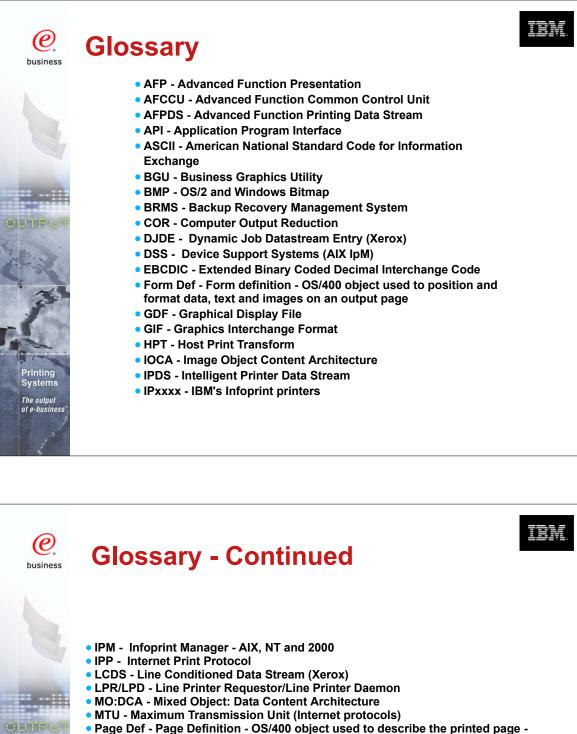


Other Print and E-output Sessions



Session Title	Session Number ID	Day/Time
V5 Printing and E-output Overview	409061 42AE	Wed @ 9:30AM
iSeries Output Flow and Architecture	250343 43AE	Wed @ 11:00AM
iSeries Output Application Development	410162 45AE	Wed @ 2:00PM
Infoprint Designer for iSeries	404243 46AE	Wed @ 3:30PM
Infoprint Server for iSeries	410168 47AE	Wed @ 5:00PM
LAB: Infoprint Designer for iSeries	250033 51LC	Thurs @ 8:00AM
V5 Printing and E-output Overview	409061 53IB	Thurs @ 11:00AM
LAB: Infoprint Server for iSeries	410159 54LD	Thurs @ 12:30PM
iSeries Network Printing	403767 56AM	Thurs @ 3:30PM
Color Applications	430038 57AM	Thurs @ 5:00PM





- Page Def Page Definition OS/400 object used to describe the printed page Created using PPFA or other tools
- PPFA Page Printer Formatting Aid A language to define output

Printing Systems